

1/13

ATG GAT TGT CAG GTC  
Met Asp, Cys Glu Leu

TCC ATG CTC CTC CTT CTC AGC TOC TCT GTT CTC GAC AGC TTC GGG GAA  
Ser Ile Leu Leu Leu Ser Cys Ser, Val Leu Asp Ser Phe Glu Glu  
15 20

GTC ATT CCC CAG ACT TCC AAT GAA GTC AAT CTA UTC GAT TCA AAA ACA  
Leu Ile Pro Glu Pro Ser Glu Val Asp Leu Leu Asp Ser Lys Thr  
30 35

ATT CAA GGG GAG CTC GGG TGG ATC TCT TAT GGA TCA CAT GGG TGG GAA  
Ile Glu Glu Leu Glu Tyr Ile Ser Tyr Pro Ser His Glu Tyr Glu  
40 45

GAG ATC AGT GCT ATG GAT GAA CAT TAC AAG CCC ATC AAG ACT TAC CAG  
Glu Ile Ser Glu Val Asp Glu His Tyr Pro Ile Arg Thr Tyr Glu  
50 55

GTC TOC AAT GTC ATG GAG CAC AOT CAA AAG AAT TGC GTC AUG ACA AAC  
Val Cys Asp Val Met Asp His Ser Glu Asp Tyr Leu Arg Thr Asp  
60 65

TGG GTC CCC AGG AAC TCA GCT CAG AAG ATT GTC GAG GTC AAC TTC  
Tyr Val Pro Asp Ser Asp Glu Lys Ile Tyr Val Glu Leu Lys Phe  
70 75 80 85

ACT CTA GCA GAC TGC AAT AGC ATT GCA TTO GTC TTA GGA ACT TGC AAG  
Thr Leu Arg Asp Cys Asp Ser Ile Pro Leu Val Leu Glu Thr Cys Lys  
90 95 100

GAG AGA TTC AAC CTC TAC TAC ATG GAG TGC GAT GAT GAT GAT GGG GTC  
Glu Thr Phe Asp Leu Tyr Tyr Met Glu Ser Asp Asp His Glu Val  
110 115 120 125 130

AAA TTT GCA GAG GAT GAG TTT ACA AAG ATT GAC ACC ATT GCA GCT GAT  
Lys Phe Arg Glu His Glu Phe Thr Lys Ile Asp Thr Ile Ala Ala Asp  
135 140 145

GAA AGT TTC ACT CAA ATG GAT CTC GGG GAC GGT ATT CTC AAC AAC  
Glu Ser Phe Thr Glu Met Asp Leu Glu Asp Ile Leu Lys Leu Asp  
150 155 160 165

ACT GAG ATT ACA GAA GTC GGT GTC AAC AAC AAC GCA TTT TAT TTO  
Thr Glu Ile Asp Val Glu Phe Val Asp Lys Lys Glu Phe Tyr 260  
170 175 180

GCA TTT GAA GAT GTC GGT GTC TGT GTC GTC TGT GTC AGA GTC  
Ala Phe Glu Asp Val Glu Ala Cys Val Ala Leu Val Ser Val Asp Val  
185 190 195

TAC TTG AAA AAG TGC GCA TTT ACA GTC AAC AAC ATT CTC GCT ATG TTT GCA  
Tyr Phe Lys Cys Pro Phe Thr Val Lys Asp Leu Glu Asp Met Phe Pro  
200 205 210

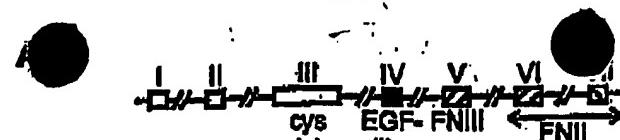
GAC AGC GTC CCC ATG GAC TGG CAG TGC GTC GTC GAG GGG TGT  
Asp Thr Val Pro Met Asp Ser Glu Ser Val Val Asp Glu Ser  
215 220 225 230

TGT GTC AAC AAT TCT AAU GAG GAA GAT CCT GCA AGG ATG TAG TGC AGT  
Cys Val Asp Ser Ser Lys Glu Asp Pro Pro Asp Met Tyr Cys Ser  
235 240 245

ACA GAA GGC GAA TGG GTC GTC GGC ATT GGC AAG TGT TGC TGC AAT OCT  
Thr Glu Glu Glu Tyr Leu Val Pro Ile Glu Lys Cys Ser Cys Asp Ala  
250 255 260

GAC TAT GAA GAA AGA GGT TTT ATG TGC CAA  
Gly Tyr Glu Glu Asp Glu Pro Met Cys Glu  
265 270

FIG. 1



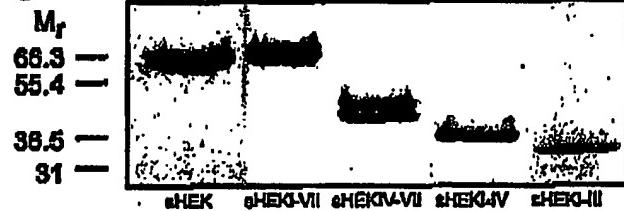
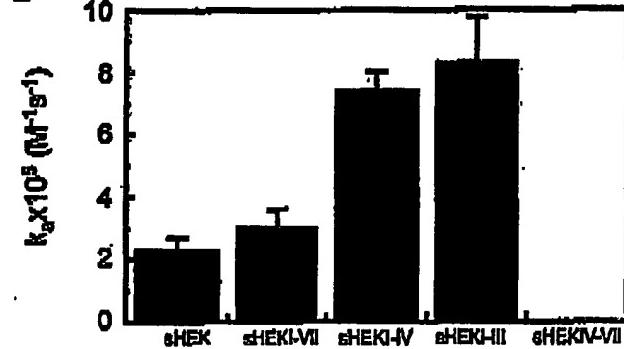
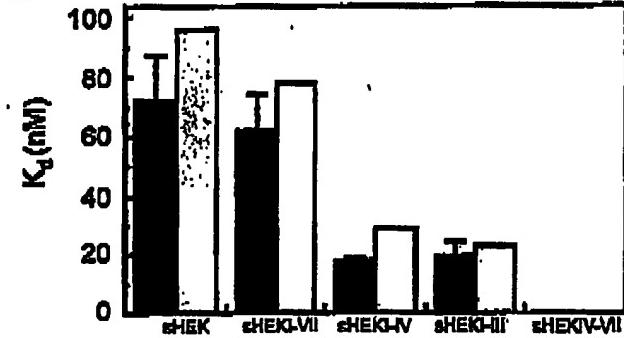
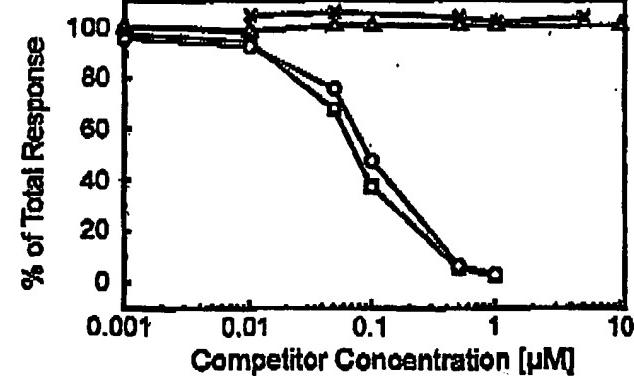
	65	98	99.5	91	84	95	84	MEK4
	50	86	98.3	91	89	88	89	CEK4

HEK I-VII

HEK I-IV

HEK I-III

HEK IV-VII

**C****D****E****F****FIG. 2**

3/13

## EXTRACELLULAR DOMAIN HYDROPHOBIC TAIL

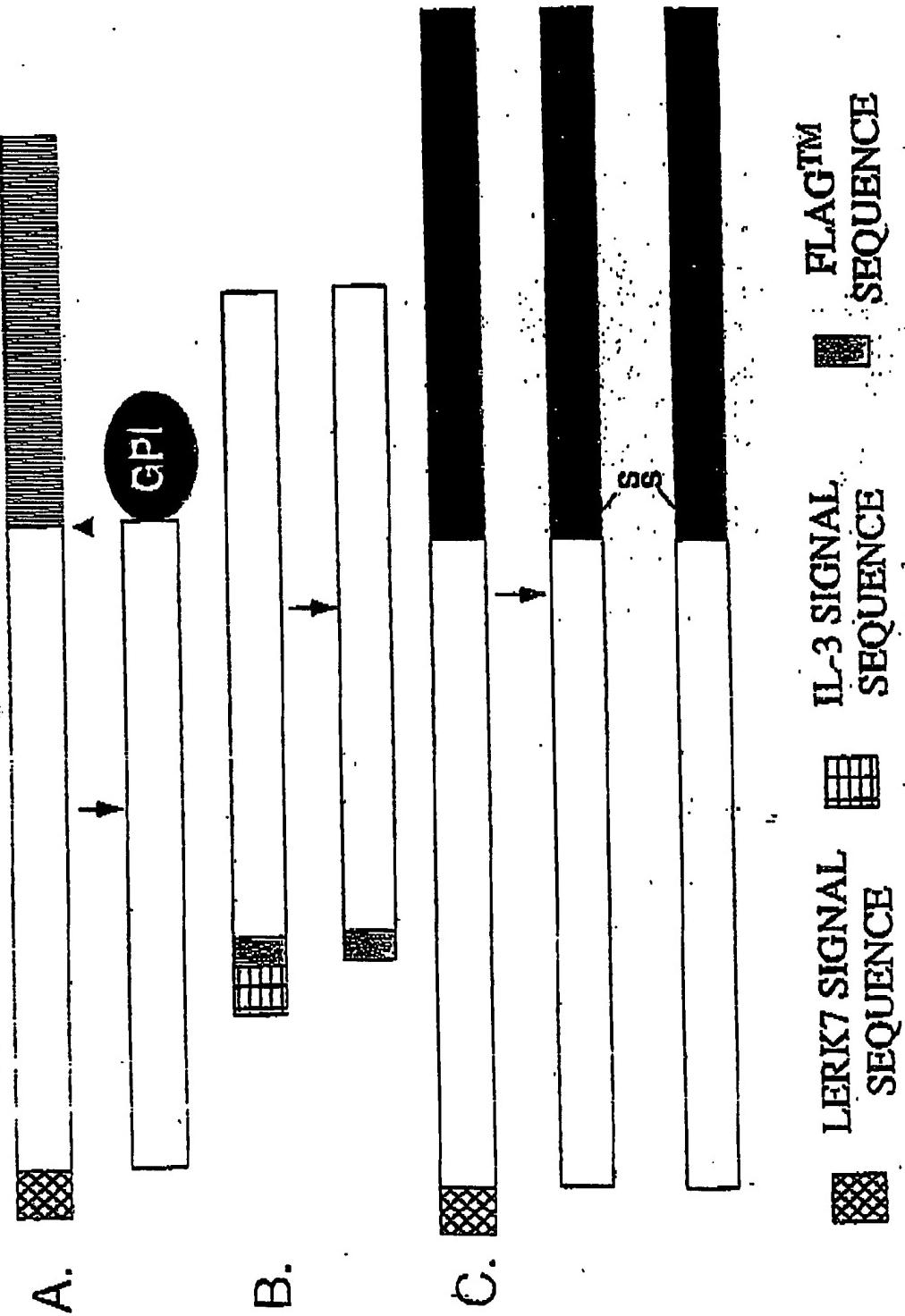


FIG. 3

4/13

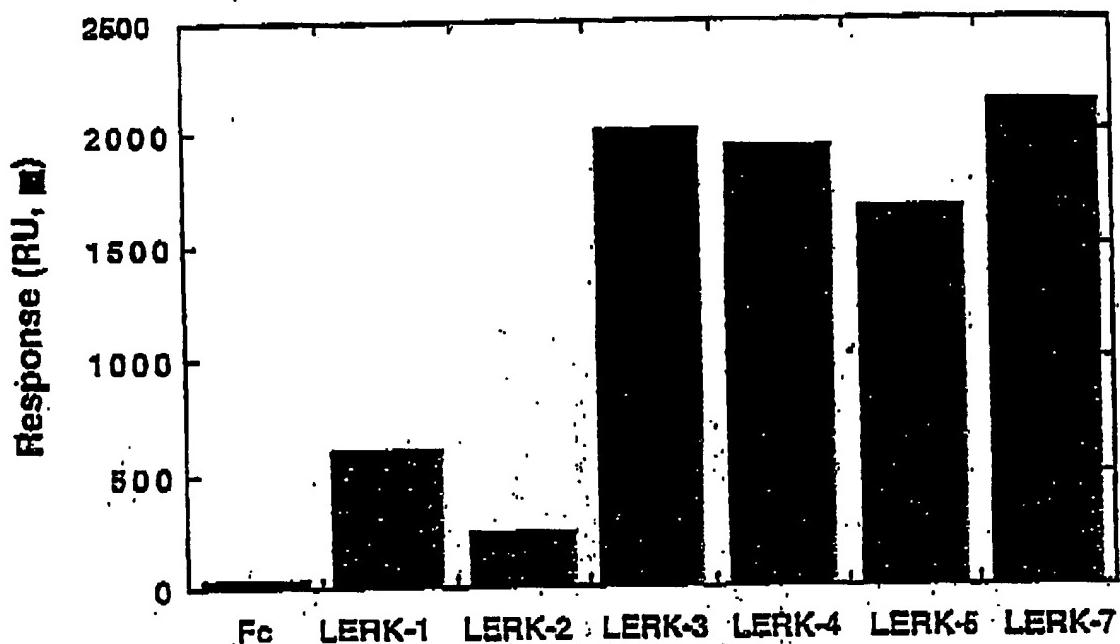


FIG. 4

5/13

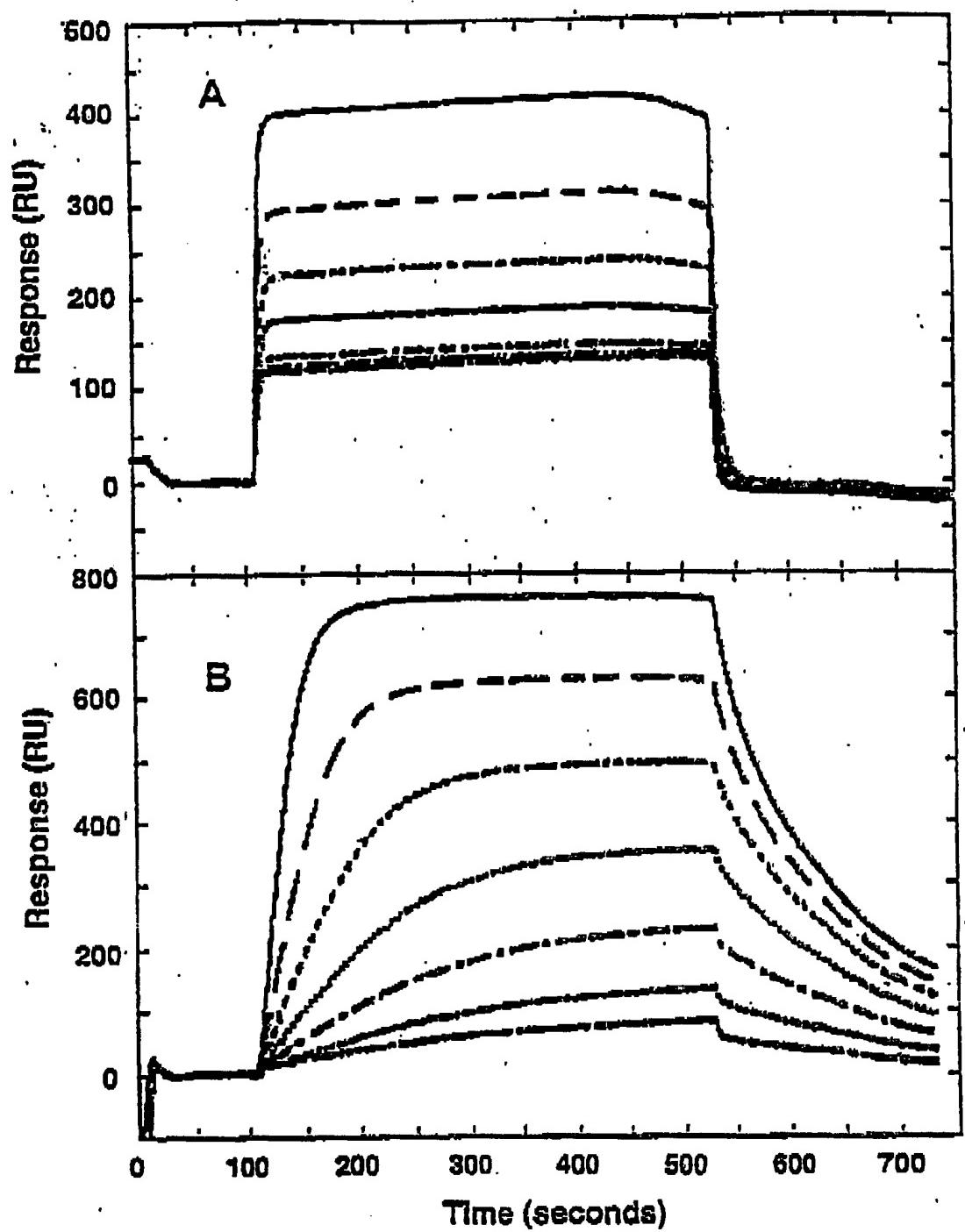


FIG. 5

6/13

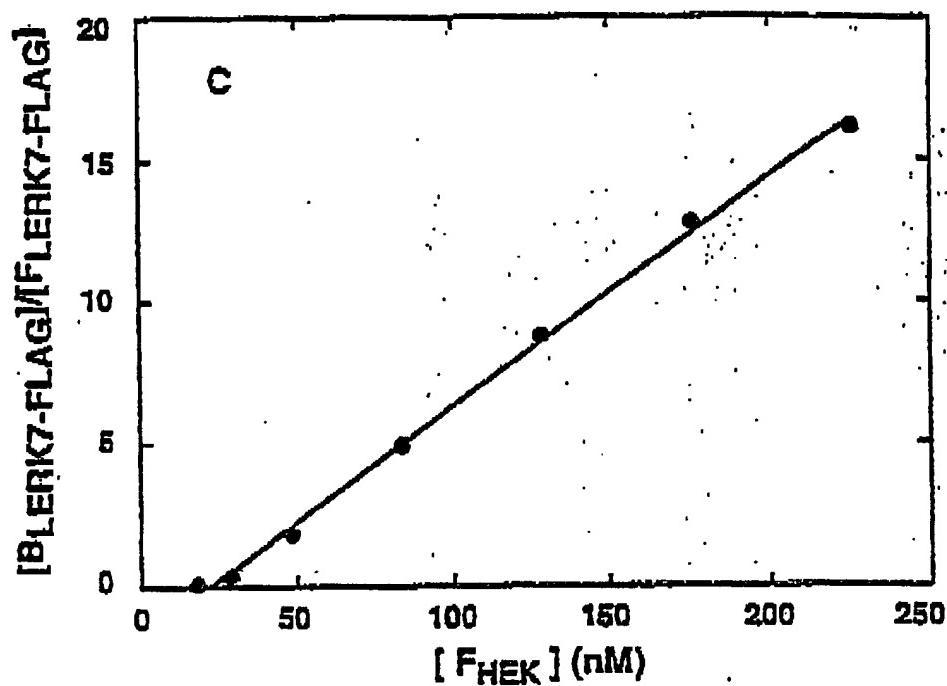


FIG. 5C

7/13

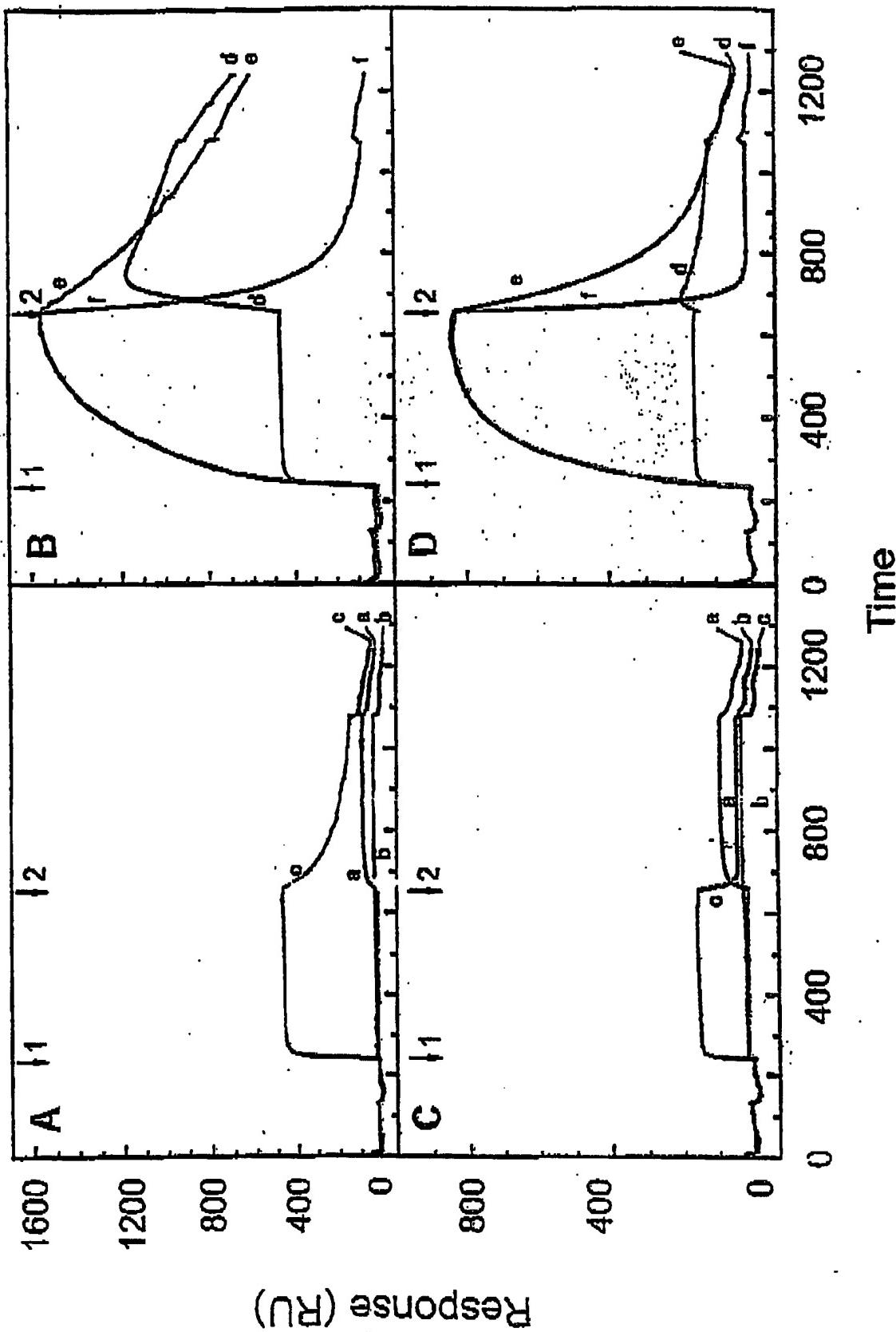


FIG. 6

8/13

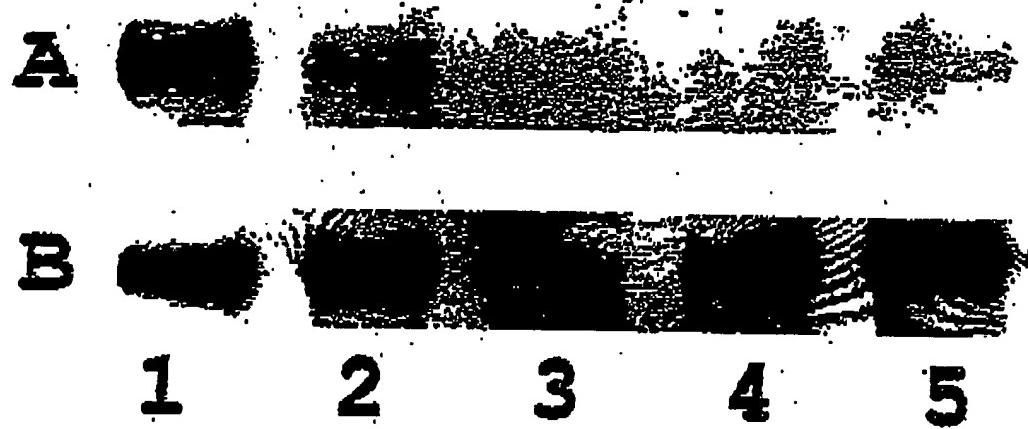


FIG. 7

9/13

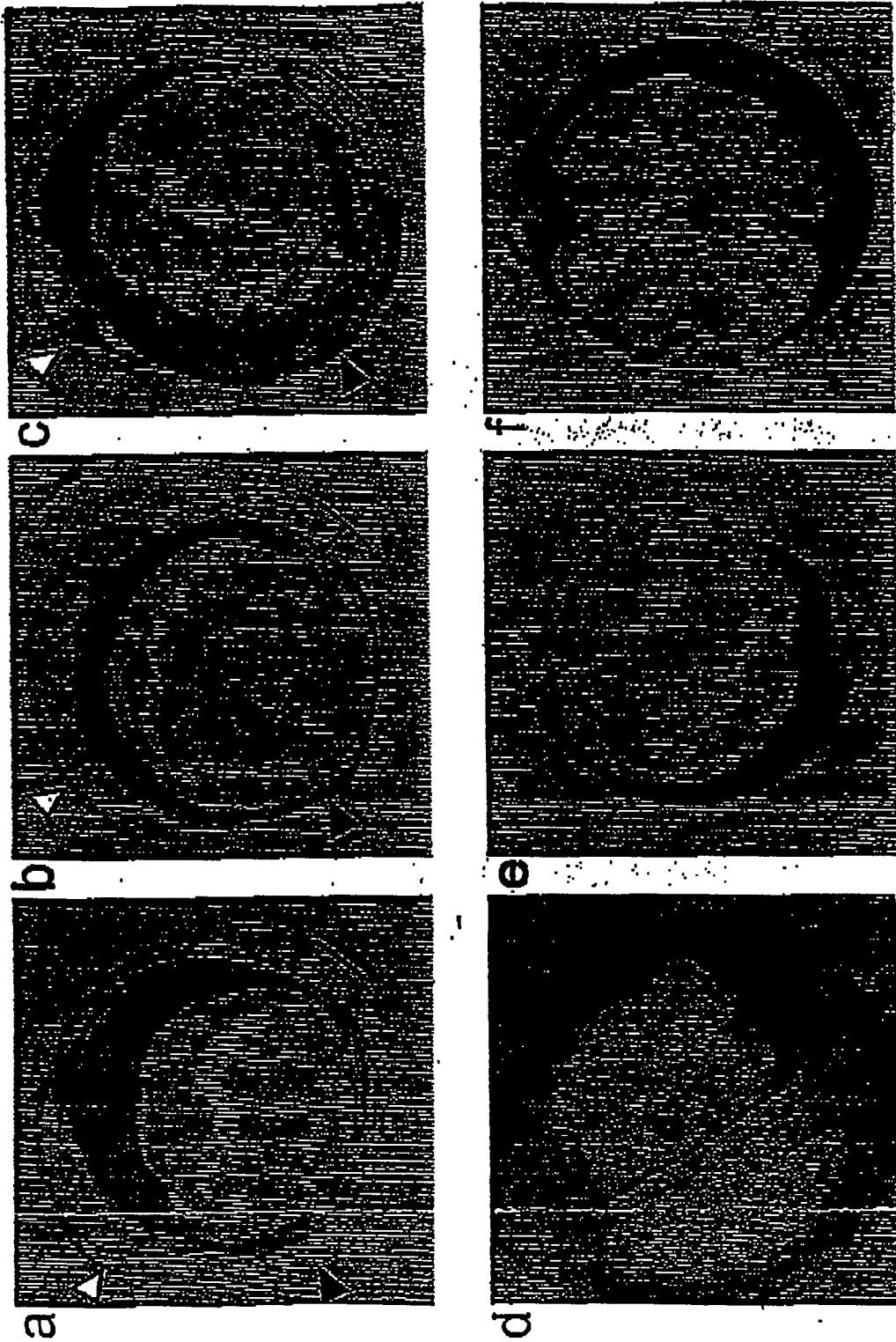


FIG. 8

10/13

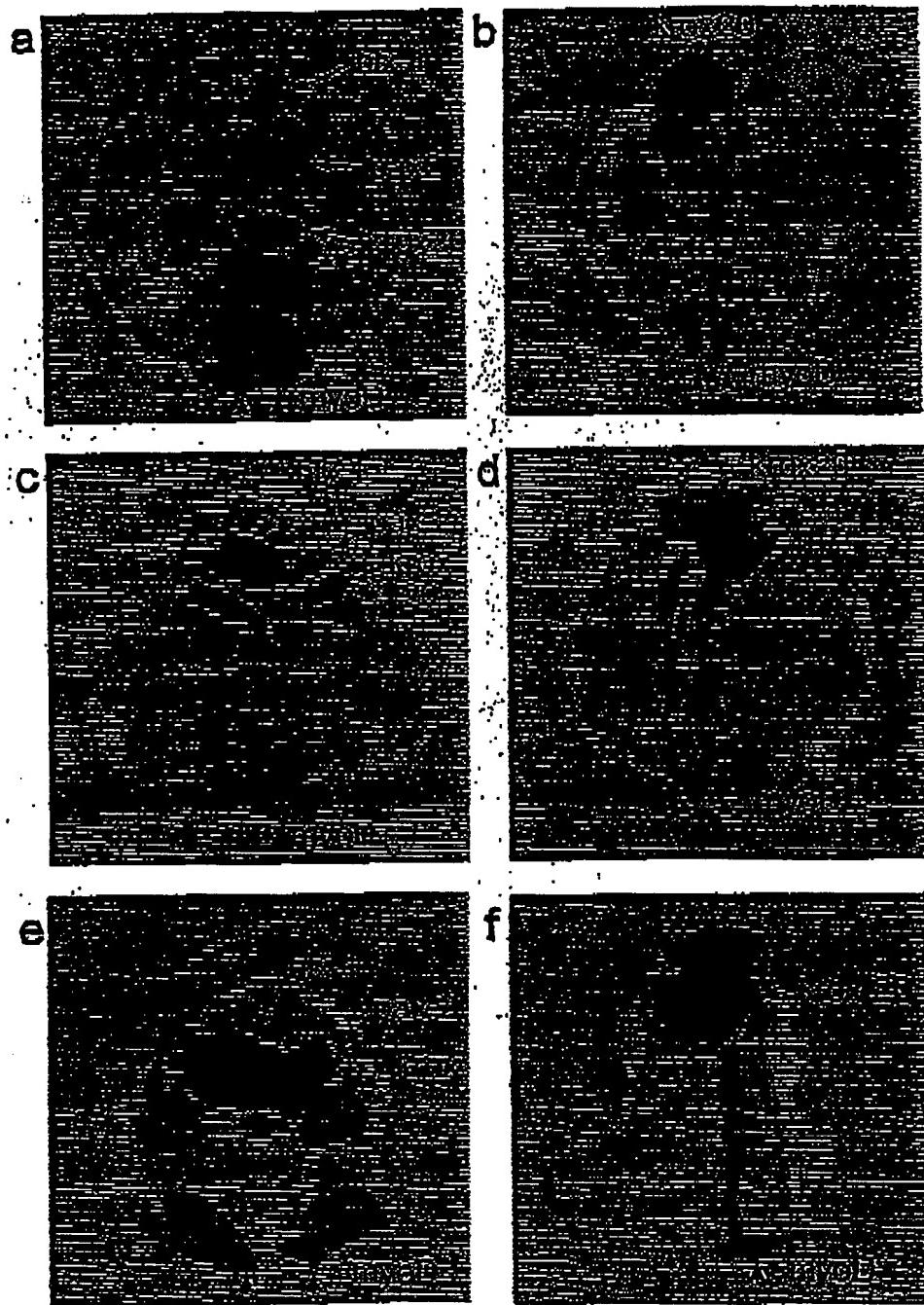


FIG. 9

11/13

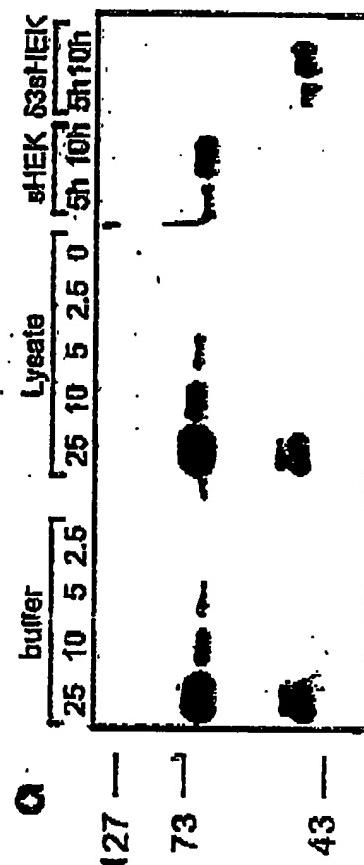
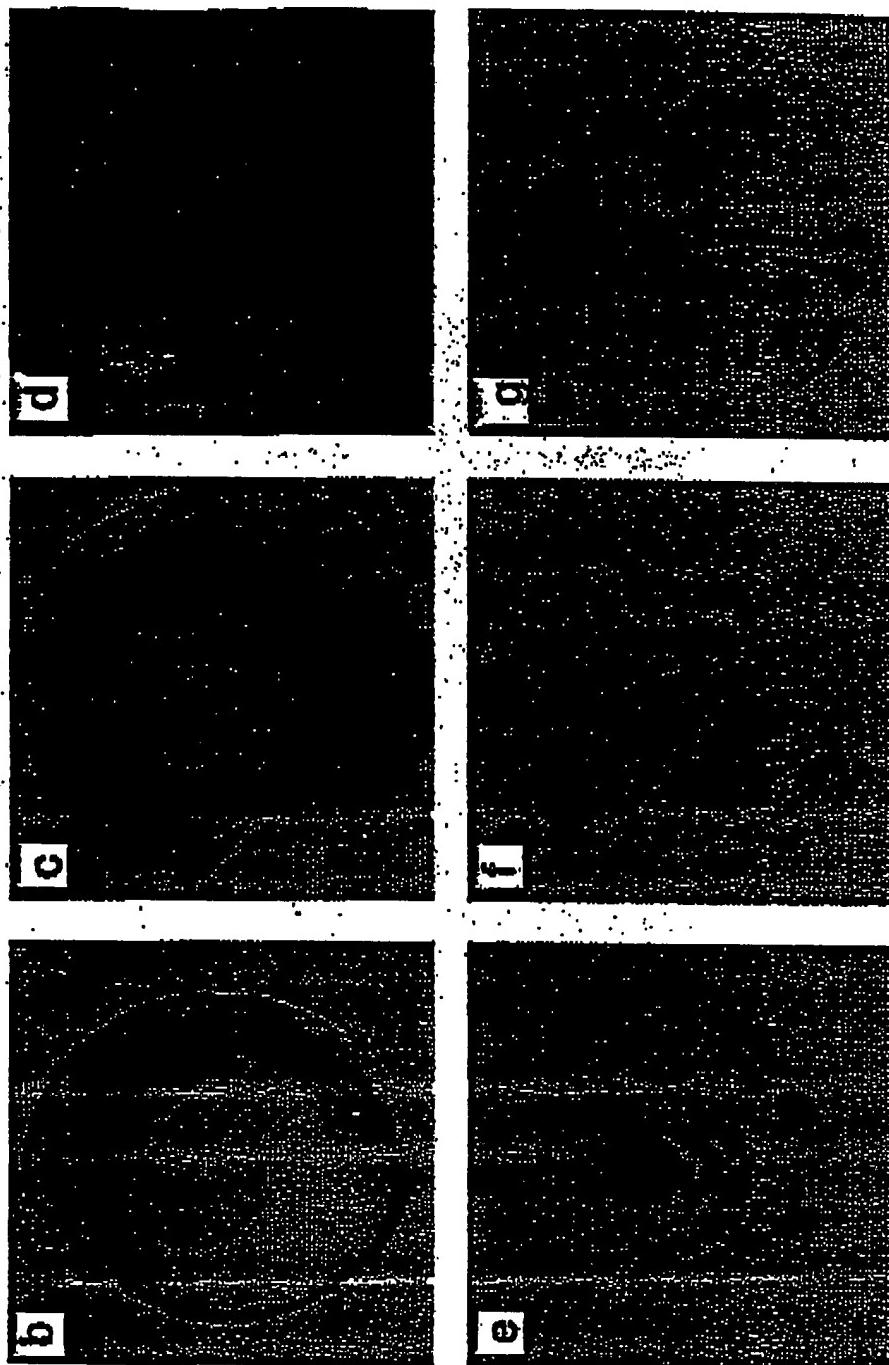


FIG. 10A

12/13



**FIG. 10**

13/13

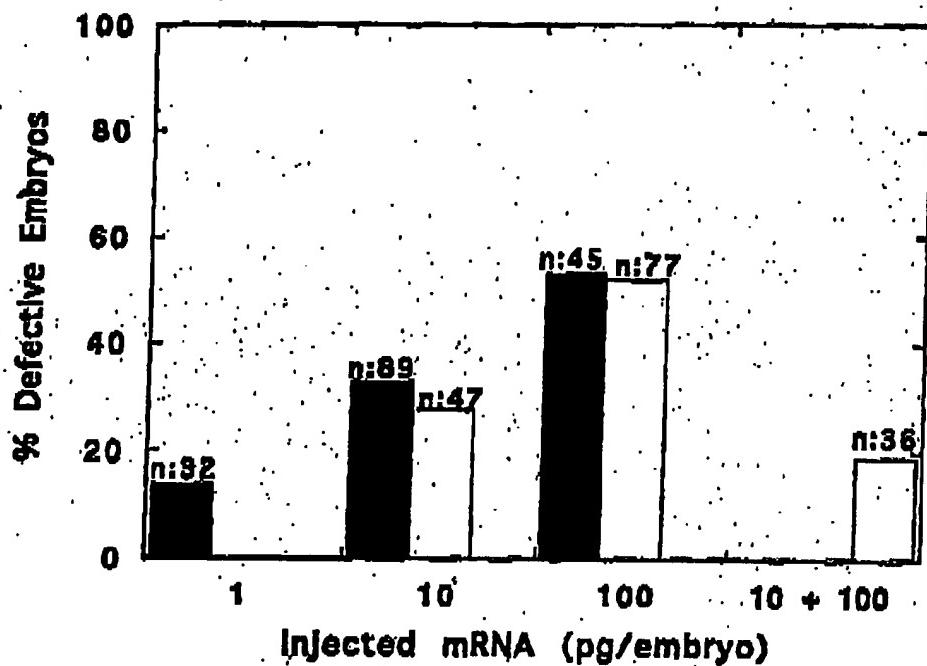


FIG. 11